



**MISSOURI DEPARTMENT OF TRANSPORTATION  
 BID GUIDELINES AND DOCUMENTATION**

***THIS IS NOT AN ORDER***

**REQUEST FOR BID**

**\*\*\*THIS DOCUMENT MUST BE RETURNED AS A SEALED BID\*\*\***

It is the vendor's responsibility to read and comply with all conditions, specifications, and instructions outlined in this document. This document and any subsequent attachments shall supersede all confirmation forms, receipts, or any other paperwork needed to secure materials, equipment, or services.

<b>TODAY'S DATE:</b> JULY 27, 2016	<b>BID DUE BY:</b> AUGUST 10, 2016 BY 1:00 PM CST	<b>F.O.B. REQUIREMENTS: DESTINATION</b> (SEE DELIVERY LOCATION BELOW)
<b>TO BE COMPLETED:</b>  <b>SEPTEMBER 30, 2016</b>	<b>Bid #:</b> KC-B17-003 <b>***SEALED BID***</b> THIS BID # SHOULD BE REFERENCED ON ALL MAILING LABELS, ENVELOPES, AND ANY OTHER CORRESPONDENCE.	<b>BUYER NAME:</b> ANTHONY BIONDO PROCUREMENT AGENT 816-347-4105 <a href="mailto:ANTHONY.BIONDO@MoDOT.MO.GOV">ANTHONY.BIONDO@MoDOT.MO.GOV</a>

<b>District Mailing Address:</b> Missouri Department of Transportation Anthony Biondo (Procurement) 600 NE Colbern Road Lee's Summit, MO 64086	<b>Project Location:</b>  <b>KANSAS CITY DISTRICT – JACKSON COUNTY</b> (See Project Location in Description Below) See Exhibit 1 in attached Plan Sheets
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**WEeping WALL PROJECT**

**EB I-70 between Blue Ridge Cutoff & Pittman Rd**

Project consists of installing drainage pipe behind a weeping wall and plugging the weep holes, located south side on EB I-70 between Blue Ridge Cutoff & Pittman Rd, Jackson County, MO with an effective date of "Notice to Proceed" and a completion date of September 30, 2016 in accordance with the following pages as shown on the attached job provisions and plans (A & B). All equipment, pipe, materials and labor to be furnished by the contractor, except traffic control equipment supplied by MoDOT (i.e. channelizers, signs, etc.) as needed for 616.8.1 (TA-1) Work Beyond the Shoulder on Divided and Undivided Highways. **Scheduled work for this project MUST be completed by September 30, 2016.**

MoDOT reserves the right to award the bid based upon low bid with an emphasis on completing the project by the designated period. If low bid cannot meet the completion time line, and another contractor can and their bid price is within an acceptable budget range the award will be based upon a combination of availability to delivery services within designated time line and price. Payment will be made for completed work as one project cost (labor, permits, pipe, materials, equipment, mobilization fees, etc.).

Viewing of the site(s) can be done prior to bid response. To view site with a MoDOT Representative contact [Mark Fisher](mailto:Mark.Fisher@MoDOT.MO), Transportation Project Manager at 816-607-2271.

Contractor shall give 24-hour notice or as soon as feasibly possible with the short turnaround time lines within this bid. Contact information will be shared with successful vendor day of award. Insurance Liability requirements are listed in the terms and conditions page(s), and the certificate should be made available to MoDOT on or before August 10th to expedite project timelines.

**General Wage Order # 60 rates WILL apply** to this project for **Jackson** county and can be found at the following link or on the GS Bidding Webpage posted along with this bid document. <http://labor.mo.gov/DLS/PrevailingWage/gwo>

<b>LOCATION</b>	<b>DESCRIPITON</b>	<b>PROJECT COST</b>	<b>PROJECT TIMELINE</b>
<b>JACKSON COUNTY</b> I-70 between Blue Ridge Cutoff & Pittman Rd Kansas City, MO	There is a concrete barrier wall on the south side of EB I-70 between Blue Ridge Cutoff and Pittman Road that weeps water onto I-70. The weeping water flows northbound across EB I-70 lanes and is a cause for concern, especially when the water freezes on the pavement. This project will install drainage pipe behind the wall, and plug the weep holes so that water will not be seeping onto the pavement. Sod, as shown on the plans. See Job Provisions and Scope of Work/Plans (A & B) attached at the bottom. With an effective date of "Notice to Proceed" and a completion date of <b>September 30, 2016</b>  <b>PROJECT COORDINATOR:</b> <a href="mailto:Mark.Fisher@MoDOT.MO">Mark Fisher</a> Transportation Project Manager 816-607-2271	\$ _____  1 Site / 1 Project	Yes / No  Available to Complete Project by <b>Friday, September 30, 2016</b>

<b>VENDOR NAME:</b>	
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All responses to this Request for Bid MUST be submitted on this form and all pages MUST be returned to the Buyer listed above in a **Sealed Envelope** or hand delivered to the General Services Building located at 600 NE Colbern Road, Lee's Summit, Mo 64086.

**Notification of award will be at the time the tabulation is posted to the Internet.  
It is the sole responsibility for all bidders to check the website for bid results.**

**Bidders are encouraged to obtain minority business enterprise (MBE) and women business enterprise (WBE) participation in this work through the use of subcontractors, suppliers, joint ventures, or other arrangements that afford meaningful participation for M/WBEs. Bidders are encouraged to obtain 10% MBE and 5% WBE participation.**

## VENDOR NOTES

VENDORS MAY ATTACH OTHER PERTINENT/SUPPORTING DATA WITH THEIR RESPONSE TO THIS SOLICITATION

MoDOT purchase orders must be issued to the invoicing company ("Remit To") address. If the invoicing company/address will be different from that listed in the vendor information section (below), the vendor should specify the "remit to" company/address in the vendor notes section (above) to ensure timely payment.

# VENDOR INFORMATION & PREFERENCE CERTIFICATION FORM

## Vendor Information

All bidders must furnish **ALL** applicable information requested below

<b>Vendor Name/Mailing Address:</b>  Email Address:	<b>Vendor Contact Information (including area codes):</b> Phone #: Cellular #: Fax #:						
<b>Printed Name of Responsible Officer or Employee:</b>	<b>Signature:</b>						
<b>For Corporations</b> - State in which incorporated:	<b>For Others</b> - State of domicile:						
If the address listed in the Vendor Name/Mailing Address block above is not located in the State of Missouri, list the address of Missouri offices or places of business:  If additional space is required, please attach an additional sheet and identify it as <b><u>Addresses of Missouri Offices or Places of Business.</u></b>							
<b>M/WBE INFORMATION:</b> List all certified Minority or Women Business Enterprises ( <b>M/WBE</b> ) utilized in the fulfillment of this bid. Include <u>percentages</u> for subcontractors and identify the M/WBE certifying agency:  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 33%;"><u>M/WBE Name</u></th> <th style="text-align: center; width: 33%;"><u>Percentage of Contract</u></th> <th style="text-align: center; width: 33%;"><u>M/WBE Certifying Agency</u></th> </tr> </thead> <tbody> <tr> <td style="border-top: 1px solid black; height: 20px;"> </td> <td style="border-top: 1px solid black; height: 20px;"> </td> <td style="border-top: 1px solid black; height: 20px;"> </td> </tr> </tbody> </table> If additional space is required, please attach an additional sheet and identify it as <b><u>M/WBE Information</u></b>		<u>M/WBE Name</u>	<u>Percentage of Contract</u>	<u>M/WBE Certifying Agency</u>			
<u>M/WBE Name</u>	<u>Percentage of Contract</u>	<u>M/WBE Certifying Agency</u>					

## Preference Certification

All bidders must furnish **ALL** applicable information requested below

<b><u>GOODS/PRODUCTS MANUFACTURED OR PRODUCED IN USA:</u></b> If any or all of the goods or products offered in the attached bid which the bidder proposes to supply to the MHTC are <b>not</b> manufactured or produced in the "United States", or imported in accordance with a qualifying treaty, law, agreement, or regulation, list below, by item or item number, the country other than the United States where each good or product is manufactured or produced.	
Item (or item number)	Location Where Item is Manufactured or Produced
If additional space is required, please attach an additional sheet and identify it as <b><u>Location Products are Manufactured or Produced.</u></b>	
<b><u>MISSOURI SERVICE-DISABLED VETERAN BUSINESS:</u></b> Please complete the following if applicable. Additional information may be requested if preference is applicable. See below definitions for qualification criteria:	
<b>Service-Disabled Veteran</b> is defined as any individual who is disabled as certified by the appropriate federal agency responsible for the administration of veterans' affairs.	
<b>Service-Disabled Veteran Business</b> is defined as a business concern:	
a. Not less than fifty-one (51) percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than fifty-one (51) percent of the stock of which is owned by one or more service-disabled veterans; and	
b. The management and daily business operations of which are controlled by one or more service-disabled veterans.	
<u>Veteran Information</u>	<u>Business Information</u>
Service-Disabled Veteran's Name (Please Print)	Service-Disabled Veteran Business Name
Service-Disabled Veteran's Signature	Missouri Address of Service Disabled Veteran Business



**Exhibit A**

**ANNUAL WORKER ELIGIBILITY VERIFICATION AFFIDAVIT**  
(for joint ventures, a separate affidavit is required for each business entity)

STATE OF \_\_\_\_\_ )  
 ) ss  
COUNTY OF \_\_\_\_\_ )

On the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me appeared \_\_\_\_\_,  
Affiant name  
personally known to me or proved to me on the basis of satisfactory evidence to be a person whose name is subscribed to this affidavit, who being by me duly sworn, stated as follows:

• I, the Affiant, am of sound mind, capable of making this affidavit, and personally certify the facts herein stated, as required by Section 285.530, RSMo, to enter into any contract agreement with the state to perform any job, task, employment, labor, personal services, or any other activity for which compensation is provided, expected, or due, including but not limited to all activities conducted by business entities.

• I, the Affiant, am the \_\_\_\_\_ of \_\_\_\_\_, and I am duly authorized, directed, and/or empowered to act officially and properly on behalf of this business entity.  
title business name

• I, the Affiant, hereby affirm and warrant that the aforementioned business entity is enrolled in a federal work authorization program operated by the United States Department of Homeland Security, and the aforementioned business entity shall participate in said program to verify the employment eligibility of newly hired employees working in connection with any services contracted by the Missouri Highways and Transportation Commission (MHTC). I have attached documentation to this affidavit to evidence enrollment/participation by the aforementioned business entity in a federal work authorization program, as required by Section 285.530, RSMo.

• I, the Affiant, also hereby affirm and warrant that the aforementioned business entity does not and shall not knowingly employ, in connection with any services contracted by MHTC, any alien who does not have the legal right or authorization under federal law to work in the United States, as defined in 8 U.S.C. § 1324a(h)(3).

• I, the Affiant, am aware and recognize that, unless certain contract and affidavit conditions are satisfied pursuant to Section 285.530, RSMo, the aforementioned business entity may be held liable under Sections 285.525 through 285.550, RSMo, for subcontractors that knowingly employ or continue to employ any unauthorized alien to work within the state of Missouri.

• I, the Affiant, acknowledge that I am signing this affidavit as a free act and deed of the aforementioned business entity and not under duress.

\_\_\_\_\_  
Affiant Signature

Subscribed and sworn to before me in \_\_\_\_\_, \_\_\_\_\_, the day and year first above-written.  
city (or county) state

\_\_\_\_\_  
Notary Public

My commission expires:

*[documentation of enrollment/participation in a federal work authorization program attached]*



## **STANDARD SOLICITATION PROVISIONS**

- a. The solicitation for the procurement of the supplies referenced therein, to which these "Standard Bid Provisions, General Terms and Conditions and Special Terms and Conditions" are attached, is being issued under, and governed by, the provisions of Title 7 – Missouri Department of Transportation, Division 10 – Missouri Highways and Transportation Commission, Chapter 11 – Procurement of Supplies, of the Code of State Regulations. The Missouri Highways and Transportation Commission (**MHTC**), acting by and through its operating arm, the Missouri Department of Transportation (**MoDOT**), draws the Bidder's attention to said 7 CSR 10-11 for all the provisions governing solicitation and receipt of bids/quotes and the award of the contract pursuant to this solicitation.
- b. All bids/quotes must be signed with the firm name and by a responsible officer or employee. Obligations assumed by such signature must be fulfilled.

## **GENERAL TERMS AND CONDITIONS**

### **Definitions**

Capitalized terms as well as other terms used but not defined herein shall have the meaning assigned to them in section 7 CSR 10-11.010 Definition of Terms.

### **Nondiscrimination**

- a. The Contractor shall comply with all state and federal statutes applicable to the Contractor relating to nondiscrimination, including, but not limited to, Chapter 213, RSMo; Title VI and Title VII of Civil Rights Act of 1964 as amended (42 U.S.C. Sections 2000d and 2000e, *et seq.*); and with any provision of the "Americans with Disabilities Act" (42 U.S.C. Section 12101, *et seq.*).
- b. **Sanctions for Noncompliance:** In the event of the Contractor's noncompliance with the nondiscrimination provisions of this contract, MHTC shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
  - i. withholding of payments to the Contractor under the contract until the Contractor complies, and/or,
  - ii. cancellation, termination or suspension of the contract, in whole or in part.

### **Contract/Purchase Order**

- a. By submitting a bid/quote, the Bidder agrees to furnish any and all equipment, supplies and/or services specified in the solicitation documents, at the prices quoted, pursuant to all requirements and specifications contained therein.
- b. A binding contract shall consist of: (1) the solicitation documents, amendments thereto, and/or Best and Final Offer (BAFO) request(s) with any changes/additions, (2) the Contractor's bid response, and (3) the MHTC's acceptance of the bid by post-award contract or purchase order.
- c. A notice of award does not constitute an authorization for shipment of equipment or supplies or a directive to proceed with services. Before providing equipment, supplies and/or services, the Contractor must receive a properly authorized notice to proceed and/or purchase order.

### **Applicable Laws and Regulations**

- a. The contract shall be construed according to the laws of the State of Missouri. The Contractor shall comply with all local, state, and federal laws and regulations related to the performance of the contract. The exclusive venue for any legal proceeding relating to or arising, out of the contract shall be in the Circuit Court of Cole County, Missouri.
- b. The Contractor must be registered and maintain good standing with the Secretary of State of the State of Missouri, Missouri Department of Revenue, and other regulatory agencies, as may be required by law or regulations. Prior to the issuance of a purchase order and/or notice to proceed, the Contractor may be required to submit to MHTC a copy of their current Authority Certificate from the Secretary of State of the State of Missouri and/or a copy of their Certificate of No Tax Due from the Missouri Department of Revenue.
- c. Prior to the issuance of a purchase order and/or notice to proceed, all **out-of-state** Contractors **providing services** within the state of Missouri must submit to MHTC a copy of their current Transient Employer Certificate from the Missouri Department of Revenue, in addition to a copy of their current Authority Certificate from the Secretary of State of the State of Missouri.

### **Executive Order:**

The Contractor shall comply with all the provisions of Executive Order 07-13, issued by the Honorable Matt Blunt, Governor of Missouri, on the sixth (6<sup>th</sup>) day of March, 2007. This Executive Order, which promulgates the State of Missouri's position to not tolerate persons who contract with the state engaging in or supporting illegal activities of employing individuals who are not eligible to work in the United States, is incorporated herein by reference and made a part of this Agreement.

- 1) "By signing this Agreement, the Contractor hereby certifies that any employee of the Contractor assigned to perform services under the contract is eligible and authorized to work in the United States in compliance with federal law."
- 2) In the event the Contractor fails to comply with the provisions of the Executive Order 07-13, or in the event the Commission has reasonable cause to believe that the contractor has knowingly employed individuals who are not eligible to work in the United States in violation of federal law, the Commission reserves the right to impose such contract sanctions as it may determine to be appropriate, including but not limited to contract cancellation, termination or suspension in whole or in part or both.
- 3) The Contractor shall include the provisions of this paragraph in every subcontract. The Contractor shall take such action with respect to any subcontract as the Commission may direct as a means of enforcing such provisions, including sanctions for noncompliance.

### **Cancellation of Contract**

The MHTC may cancel the Contract at any time for a material breach of contractual obligations or for convenience by providing Contractor with written notice of cancellation. Should the MHTC exercise its right to cancel the contract for such reasons, cancellation will become effective upon the date specified in the notice of cancellation sent to the Contractor.

### **Bankruptcy or Insolvency**

Upon filing for any bankruptcy or insolvency proceeding by or against the Contractor, whether voluntarily, or upon the appointment of a receiver, trustee, or assignee, for the benefit of creditors, the Commission reserves the right and sole discretion to either cancel the Agreement or affirm the Agreement and hold the Contractor responsible for damages.

**Warranty**

The Contractor expressly warrants that all equipment, supplies, and/or services provided shall: (1) conform to each and every specification, drawing, sample or other description which was furnished to or adopted by the MHTC, (2) be fit and sufficient for the purpose expressed in the solicitation documents, (3) be merchantable, (4) be of good materials and workmanship, and (5) be free from defect.

**Status of Independent Contractor**

The Contractor represents itself to be an independent Contractor offering such services to the general public and shall not represent itself or its employees to be an employee of the MHTC. Therefore, the Contractor shall assume all legal and financial responsibility for taxes, FICA, employee fringe benefits, workers' compensation, employee insurance, minimum wage requirements, overtime, etc., and agrees to indemnify, save and hold the MHTC, its officers, agents and employees harmless from and against any and all losses (including attorney fees) and damage of any kind related to such matters.

**Non-Waiver**

If one of the parties agrees to waive its right to enforce any term of this Contract, that party does not waive its right to enforce such term at any other time or to enforce any or all other terms of this Contract.

**Indemnification**

The Contractor shall defend, indemnify and hold harmless MHTC, including its members and department employees, from any claim or liability whether based on a claim for damages to real or personal property or to a person for any matter relating to or arising out of the Contractor's performance of its obligations under the contract awarded pursuant to this solicitation.

**SPECIAL TERMS AND CONDITIONS**

**Tax Exempt Status:**

MHTC is exempt from paying Missouri Sales Tax, Missouri Use Tax and Federal Excise Tax. However, the Contractor may themselves be responsible for the payment of taxes on materials they purchase to fulfill the contract. A Project Tax Exemption Certificate will be furnished to the successful Bidder upon request if applicable.

**Insurance**

The Contractor shall maintain or cause to be maintained at Contractor's own expense commercial general liability, automobile liability, worker's compensation insurance against negligent acts, errors or omissions of the Contractor, or its subcontractors and anyone directly or indirectly employed by any of them. Any insurance policy required as specified in this Section shall be written by a company that is licensed and authorized to issue such insurance in the state of Missouri and shall provide insurance coverage for not less than the following limits of liability:

- 1) General Liability: Not less than \$500,000 for any one person in a single accident or occurrence, and not less than **\$3,000,000 for all claims arising out of a single occurrence;**
- 2) Automobile Liability: Not less than \$500,000 for any one person in a single accident or occurrence, and not less than \$3,000,000 for all claims arising out of a single occurrence;
- 3) Missouri State Workmen's Compensation policy or equivalent in accordance with state law.

Upon request from the Commission, the Contractor shall provide the Commission with certificates of insurance evidencing the required coverage and that such insurance is in effect.

**Permits, Licenses and Safety Issues**

The contract price shall include any necessary permits and licenses required by law incidental to the work. Local ordinances requiring building permits are not applicable to state agencies.

**Permit/Bond**

A permit to work on MoDOT ROW will be required, and will include any necessary bonding as needed. A MoDOT representative will furnish more detailed information concerning the permit during the preconstruction meeting to be held at a later date.

**Prohibition Of Employment Of Unauthorized Aliens:**

a. **Non-employment of Unauthorized Aliens:** Pursuant to Section 285.530, RSMo., no business entity or employer shall knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the State of Missouri. As a condition for the award of any contract or grant in excess of five thousand dollars by the State or by any political subdivision of the State to a business entity, or for any business entity receiving a state-administered or subsidized tax credit, tax abatement, or loan from the state, the business entity shall:

- 1) By sworn affidavit and provision of documentation, affirm its enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services. E-Verify is an example of a federal work authorization program. The business entity must affirm its enrollment and participation in the E-Verify federal work authorization program with respect to the employees proposed to work in connection with the services requested herein by providing acceptable enrollment and participation documentation consisting of **completed** copy of the E-Verify Memorandum of Understanding (MOU). For business entities that are not already enrolled and participating in a federal work authorization program, E-Verify is available at [http://www.dhs.gov/files/programs/gc\\_1185221678150.shtm](http://www.dhs.gov/files/programs/gc_1185221678150.shtm)
- 2) By sworn affidavit, affirm that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services. A copy of the affidavit referenced herein is provided within this document, attached as Exhibit **A**.

b. **Proof of Lawful Presence For Sole Proprietorships and Partnerships:** If the business entity is a sole proprietorship or partnership, pursuant to Section 208.009, RSMo., each sole proprietor and each general partner shall provide affirmative proof of lawful presence in the United States. Such sole proprietorship or partnership is eligible for temporary public benefits upon submission by each sole proprietor and general partner of a sworn affidavit of his/her lawful presence on the United States until such lawful presence is affirmatively determined, or as otherwise provided by Section 208.009, RSMo. A copy of the affidavit reference herein is provided within this document, attached as Exhibit **B**.

#### Prevailing Wage

- a. The work to be performed under this solicitation is governed by the provisions of Chapter 290 RSMo, as amended, related to prevailing wages to be paid on public works.
- b. If the bid/quote is accepted, the vendor will be required to comply with the prevailing wages as fixed by the Missouri Department of Labor and Industrial Relations, in effect as of the date of the issuance of the solicitation, for each affected craft and type of workmen in the following county: **JACKSON**. The **GENERAL WAGE ORDER # 60** can be found on MoDOT's website as a link, along with the bid documents.
- c. Pursuant to the requirements of the Chapter 290 RSMo., not less than the prevailing hourly rate of wages, as set out in the wage order attached to and made part of the specification for work under the contract, must be paid to all workers performing work under the contract.
- d. The Contractor shall provide all information, reports and other documentation as required by MHTC to ensure compliance with Chapter 290 RSMo., as amended, relating to prevailing wages to be paid on public works.
- e. The Contractor shall forfeit a penalty to the contracting public body of \$100 per day (or portion of a day) for each worker that is paid less than the prevailing rate for any work done under the contract by the contractor or by any subcontractor.

#### Subcontracting

- a. It is specifically understood that no portion of the material or any interest in the contract, shall be subcontracted, transferred, assigned or otherwise disposed of, except with the written consent of MHTC. Request for permission to subcontract or otherwise dispose of any part of the work shall be in writing to MHTC and accompanied by documentation showing that the organization which will perform the work is particularly experienced and equipped for such work.
- b. Consent to subcontract or otherwise dispose of any portion of the work shall not be construed to relieve the Contractor of any responsibility for the production and delivery of the contracted work and the completion of the work within the specified time.
- c. All payments for work performed by a subcontractor shall be made to the Contractor to whom the contract was awarded and the purchase order issued.

#### Temporary Suspension of Work

- a. The **District Engineer** shall have authority to suspend work wholly or in part for such period or periods as may be deemed necessary when weather or other conditions are such that in the opinion of the engineer, the work may be done at a later time with advantage to MoDOT or for failure on the part of the Contractor to comply with any of the provisions of the Contract.
- b. If MoDOT suspends the work for its own advantages and not because of the Contractor's failure to comply with the Contract, the Contractor will be allowed an equal number of calendar days after the completion date for the completion of the work. MoDOT may at its discretion give the Contractor an extension of time for completing the work where the Contractor incurs delays for causes beyond his control.
- c. Normal rainfall is not considered a cause qualifying for an extension of time. Claim for extension of time for all causes must be submitted by the Contractor in writing within **30 Days** after the claimed cause for the delay has ceased to exist.

#### Liquidated Damages

- a. In the event the successful Contractor fails to deliver the material within the time specified, the Department and the public will sustain damages because of such delay in delivery, the exact extent of which would be difficult to ascertain, and in order to liquidate such damage in advance it is agreed that the **sum of \$100.00 per day** for each assessable calendar day on which the delivery has not been completed, is reasonable and the best estimate which the parties can arrive at as liquidated damages, and it is therefore agreed that said amount will be withheld from payments due the Contractor or otherwise collected from the Contractor as liquidated damages.
- b. **Saturdays, Sundays, holidays and days whereas the Department has suspended work** shall not be assessable days.

#### Preferences

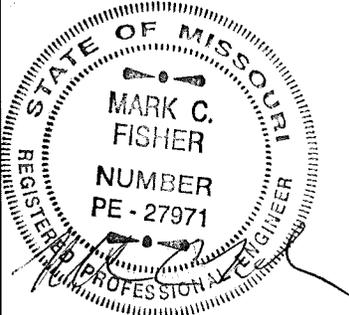
- a. In the evaluation of bids/quotes, preferences shall be applied in accordance with 7 CSR 10-11.020(7). Contractors should apply the same preferences in selecting subcontractors. The attached document entitled "**VENDOR INFORMATION AND PREFERENCE CERTIFICATION FORM**" must be completed and returned with the solicitation documents.
- b. Bidders are encouraged to obtain minority business enterprise (MBE) and women business enterprise (WBE) participation in this work through the use of subcontractors, suppliers, joint ventures, or other arrangements that afford meaningful participation for M/WBEs. Bidders are encouraged to obtain 10% MBE and 5% WBE participation.

**SEE JOB PROVISIONS AND SCOPE OF WORK/PLANS ATTACHED BELOW**

**JOB SPECIAL PROVISIONS TABLE OF CONTENTS (ROADWAY)**

(Job Special Provisions shall prevail over General Special Provisions whenever in conflict therewith.)

- A. General - State
- B. Work Zone Traffic Management Plan
- C. Project Contact for Contractor / Bidder Questions
- D. Fertilizing, Seeding and Mulching
- E. Utilities
- F. Time for Completion of the Work
- G. Relocating and Mounting Existing Signs to New Posts
- H. Relocating Existing Light Pole

 <p>7-8-16</p>	<p><b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b>          105 W. CAPITOL AVE.          JEFFERSON CITY, MO 65102          Phone 1-888-275-6636</p>
	<p>If a seal is present on this sheet, JSP's have been electronically sealed and dated.</p>
	<p>JOB NUMBER: J4M3021          CLAY COUNTY, MO          DATE PREPARED: 6-22-16</p>
	<p>ADDENDUM DATE:</p>
<p>Only the following items of the Job Special Provisions (Roadway) are authenticated by this seal: A - H</p>	

JOB SPECIAL PROVISIONS

A. GENERAL – STATE

**1.0 Description.** The Federal Government is not participating in the cost of construction of this project.

**1.1** This contract requires payment of the prevailing hourly rate of wages for each craft or type of worker required to execute the contract as determined by the Missouri Department of Labor and Industrial Relations. The current State Wage Rates can be found on the Missouri Department of Transportation web page at [www.modot.org](http://www.modot.org) under "Bidding" for the applicable bid opening. This supplemental bidding document has important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

State Wage Rates

**1.2** The following documents are available on the Missouri Department of Transportation web page at [www.modot.org](http://www.modot.org) under "Business"; "Standards and Specifications". The effective version shall be determined by the letting date of the project.

General Provisions & Supplemental Specifications

Supplemental Plans to October 2009 Missouri Std. Plans  
For Highway Construction

These supplemental bidding documents contain all current revisions to the bound printed versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

B. WORK ZONE TRAFFIC MANAGEMENT PLAN

**1.0 Description.** Work zone traffic management shall be in accordance with applicable portions of Division 100 and Division 600 of the Standard Specifications, and specifically as follows.

**2.0 Traffic Management Schedule.**

**2.1** Traffic management schedules shall be submitted to the engineer for review prior to the start of work and prior to any revisions to the traffic management schedule. The traffic management schedule shall include the proposed traffic control measures, hours traffic control will be in place, and work hours.

**2.2** The contractor shall notify the engineer prior to lane closures or shifting traffic onto detours.

**2.3** The engineer shall be notified as soon as practical of any postponement due to weather, material or other circumstances.

**2.4** In order to ensure minimal traffic interference, the contractor shall schedule lane closures for the absolute minimum amount of time required to complete the work. Lanes shall not be closed until material is available for continuous construction and the contractor is prepared to diligently pursue the work until the closed lane is opened to traffic.

**2.5 Traffic Congestion.** The contractor shall, upon approval of the engineer, take proactive measures to reduce traffic congestion in the work zone.

**2.5.1 Traffic Delay.** The contractor shall be responsible for maintaining the existing traffic flow through the job site during construction. If disruption of the traffic flow occurs and traffic is backed up in queues of 15 minute delays or longer, then the contractor shall review the construction operations which contributed directly to disruption of the traffic flow and make adjustments to the operations to prevent the queues from occurring again.

**2.5.1 Traffic Safety.**

**2.5.2.1** Where traffic queues routinely extend to within 1000 feet (300 m) of the ROAD WORK AHEAD, or similar, sign on a divided highway or to within 500 feet (150 m) of the ROAD WORK AHEAD, or similar, sign on an undivided highway, the contractor shall extend the advance warning area, as approved by the engineer.

**2.5.2.2** When a traffic queue extends to within 1000 feet (300 m) of the ROAD WORK AHEAD, or similar, sign on a divided highway or to within 500 feet (150 m) of the ROAD WORK AHEAD, or similar, sign on an undivided highway due to non-recurring congestion, the contractor shall deploy a means of providing advance warning of the traffic congestion, as approved by the engineer. The warning location shall be no less than 1000 feet (300 m) and no more than 0.5 mile (0.8 km) in advance of the end of the traffic queue on divided highways and no less than 500 feet (150 m) and no more than 0.5 mile (0.8 km) in advance of the end of the traffic queue on undivided highways.

**3.0 Work Hour Restrictions.**

**3.1** There are six major holiday periods shown below. All lanes shall be scheduled to be open to traffic during these holiday periods, from 12:00 noon on the last working day preceding the holiday until 9:00 a.m. on the first working day subsequent to the holiday.

Memorial Day  
Independence Day  
Labor Day  
Thanksgiving  
Christmas  
New Year' Day

**3.1.1** The contractor's working hours will be restricted for the Special Events as shown below. All lanes shall be scheduled to be open to traffic during these Special Events.

Any sporting or special events at the Truman Sports Complex

**3.2** The contractor shall not perform any construction operation on the (*roadway, roadbed or active lanes*), (*including the hauling of material within the project limits*), during restricted periods, holiday periods or other special events specified in the contract documents.

**3.3** The contractor shall be aware that traffic volume data indicates construction operations on the roadbed between the following hours will likely result in traffic queues greater than 15 minutes. Based on this, the contractors operations will be restricted accordingly unless it can be successfully demonstrated the operations can be performed without a 15 minute queue in traffic. It shall be the responsibility of the engineer to determine if the above work hours may be modified. Working hours for evenings, weekends and holidays will be determined by the engineer.

Route I-70 Eastbound:  
3:00 p.m. - 7:00 p.m. Monday through Friday

**3.5** The contractor shall not alter the start time, ending time, or a reduction in the number of through lanes of traffic or ramp closures without advance notification and approval by the engineer. The only work zone operation approved to begin 30 minutes prior to a reduction in through traffic lanes or ramp closures is the installation of traffic control signs. Should lane closures be placed or remain in place, prior to the approved starting time or after the approved ending time, the Commission, the traveling public, and state and local police and governmental authorities will be damaged in various ways, including but not limited to, increased construction administration cost, potential liability, traffic and traffic flow regulation cost, traffic congestion and motorist delays, with a resulting cost to the traveling public. These damages are not easily computed or quantified. Therefore, the contractor will be charged with liquidated damages specified in the amount of **\$1000 per 15 minute increment** for each 15 minutes that the temporary lane closures are in place and not open to traffic in excess of the limitation as specified elsewhere in this special provision. It shall be the responsibility of the engineer to determine the quantity of unapproved closure time.

**3.5.1** The said liquidated damages specified will be assessed regardless if it would otherwise be charged as liquidated damages under the Missouri Standard Specification for Highway Construction, as amended elsewhere in this contract.

**4.0 Basis of Payment.** No direct payment will be made to the contractor to recover the cost of equipment, labor, materials or time required to fulfill the above provisions, unless specified elsewhere in the contract document.

#### C. PROJECT CONTACT FOR CONTRACTOR / BIDDER QUESTIONS

All questions concerning this project during the bidding process shall be forwarded to the project contact listed below.

Mark Fisher, P.E.  
Transportation Project Manager  
KC District



telephone numbers of the known utility companies in the area of the construction work for this improvement:

<u>Utility Company</u>	<u>Known Required Adjustment</u>
Brian Cornish CenturyLink 5454 West 110 <sup>th</sup> Street Overland Park, Kansas 66211 (913) 345-7524 cell (913) 484-4526	No

**1.1** The existence and approximate location of utility facilities known to exist, as shown on the plans, are based upon the best information available to the Commission at this time. This information is provided by the Commission "as-is" and the Commission expressly disclaims any representation or warranty as to the completeness, accuracy, or suitability of the information for any use. Reliance upon this information is done at the risk and peril of the user, and the Commission shall not be liable for any damages that may arise from any error in the information. It is, therefore, the responsibility of the contractor to verify the above listing information indicating existence, location and status of any facility. Such verification includes direct contact with the listed utilities.

**1.2** The contractor agrees that any effects of the presence of the utilities, their relocation, contractor's coordination of work with the utilities and any delay in utility relocation shall not be compensable as a suspension of work, extra work, a change in the work, as a differing site condition or otherwise including but, without limitation, delay, impact, incidental or consequential damages. The contractor's sole remedy for the effects of the presence of utilities, delay in their relocation or any other effects shall be an excusable delay as provided in Section 105.7.3. The contractor waives, for itself, its subcontractors and suppliers the compensability of the presence of utilities, delay in their relocation and any cost to the contractor, its subcontractors and suppliers in any claim or action arising out of or in relation to the work under the contract.

**1.3** The contractor shall be solely responsible and liable for incidental and consequential damage to any utility facilities or interruption of the service caused by it or its subcontractors operation. The contractor shall hold and save harmless the Commission from damages to any utility facilities interruption of service by it or its subcontractor's operation.

**2.0** It shall be noted by the contractor that MoDOT is a member of Missouri One Call (800 Dig Rite). Some work on this project may be in the vicinity of MoDOT utility facilities, which includes but is not limited to traffic signal cables, highway lighting circuits, ITS cables, cathodic protection cables, etc. Prior to beginning work, the

contractor shall request locates from Missouri One Call. The contractor shall also complete the Notice of Intent to Perform Work form located at the Missouri Department of Transportation website:

<http://www.modot.mo.gov/asp/intentToWork.shtml>

The contractor shall submit the form over the web (preferred method) or by fax to the numbers on the printed form. The notice must be submitted a minimum of 2 and a maximum of 10 working days prior to excavation just as Missouri One Call requires.

F. TIME FOR COMPLETION OF THE WORK

**1.0 Description.** Completion of this contract shall be in accordance with Sec 108.7 and will be administered on both a calendar date completion basis and by calendar days completion basis.

**1.1** Regardless of when the work is begun on this contract, all work shall be completed on or before the date specified below. Completion by this date shall be in accordance with the requirements of Sec 108.7.

Completion Date: September 30, 2016

**1.2** In addition, calendar days for the completion of this contract have been established. The count of calendar days will start on the date the contractor starts any construction operations. All work shall be completed within the calendar days specified below. Completion of the work by calendar days shall be in accordance with the requirements of Sec 108.7.

Calendar Days: 14

**1.3** Should the contractor, or in case of default, the surety, fail to complete the work within the above specified calendar days or the completion date, whichever occurs first, a deduction of the amount shown below will be made for each day that the contract remains uncompleted in accordance with the requirements of Sec 108.8. These damages are in addition to any other damages as specified elsewhere in this contract.

Liquidated Damages Per Day: \$100

G. RELOCATING AND MOUNTING EXISTING SIGNS TO NEW POSTS

**1.0 Description.** This item provides for relocating and mounting existing signs of various sizes to new posts at locations shown on the signing sheets.

**2.0 Construction Requirements.** The contractor shall install new posts at the locations shown and then mount existing signs to the appropriate post type. All work shall be in accordance with the construction requirements of Section 903.

**3.0 Method of Measurement.** Measurement will be made per each for relocating and mounting existing signs to new posts. Measurement for any concrete footings, structural steel posts, pipe posts, perforated square steel tubes and anchor sleeves, and breakaway assemblies will be made in accordance with Section 903.

**4.0 Basis of Payment.** All cost incurred for relocating and mounting existing signs to new posts at the locations shown, complete in place, will be paid for at the contract unit price for Pay Item 903-99.02, Relocate Exist. Signs to New Posts, per Each. Payment for all other labor, equipment, material, and incidental items will be made in accordance with Section 903 and paid for at the contract unit price for each of the pay items included in the contract.

#### H. RELOCATE EXISTING LIGHT POLE

**1.0 Description.** This work shall consist of relocating the existing light pole east of Pittman Rd to a new foundation as indicated in the plans or as directed by the engineer. It shall include all equipment, materials, and labor necessary to remove and relocate the existing lighting poles, bracket arms, luminaires and appurtenances, and to adjust the existing luminaires for optimum lighting of the new roadway geometrics.

**1.1** This work shall be coordinated with the Missouri Department of Transportation's District Traffic Division.

**1.2** The contractor shall exercise reasonable care in the handling of the lighting poles and equipment during removal and relocation. Should any of the lighting poles or equipment be damaged by the contractor, the contractor shall immediately notify the engineer. The engineer will inspect the damage and determine what repair work or replacement shall be made. All required repair work and replacement shall be made at the contractor's expense.

**2.0 Material.** All material shall conform to Section 901. All mounting hardware, bolts, washers, nuts, and electrical connectors shall be of new stock.

#### **3.0 Construction Requirements.**

**3.1** The contractor will be required to install additional pull boxes, conduit and cable conduit as shown on the plans.

**3.2** Relocation (including removal from service at the old location and restoration of service at the new location) of each light pole shall be completed during the daylight hours of not more than one (1) day.

**4.0 Basis of Payment.** All costs incurred by the contractor to satisfy the above requirements, including all materials and labor required to Relocate Existing Light Poles, shall be considered incidental to and completely covered by the contract unit price for bid item number 901-99.02 Misc. Relocate Existing Light Pole, per each.

All other related items of work shall be paid under their respective bid item numbers, as shown in the contract.

# Plans A

## MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY JACKSON COUNTY

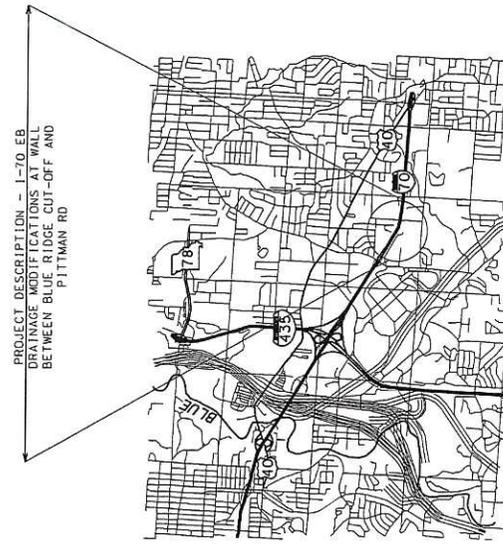
DESIGN DESIGNATION  
A.A.O.T. - 2017 = 99+500  
A.A.O.T. - 2037 = 155+000  
T = 11%  
V = 65 M.P.H.

FUNCTIONAL CLASSIFICATION-INTERSTATE

### CONVENTIONAL SYMBOLS (USED IN PLANS)

- |                              |                       |           |
|------------------------------|-----------------------|-----------|
| BUILDINGS AND STRUCTURES     | EXISTING              | NEW       |
| CONCRETE RIGHT-OF-WAY MARKER | —●—●—●—●—             | —■—■—■—■— |
| STEEL RIGHT-OF-WAY MARKER    | —○—○—○—○—             | —□—□—□—□— |
| LOCATION SURVEY MARKER       | —X—X—X—X—             | —+—+—+—+— |
| FIBER OPTICS                 | —FO—FO—FO—FO—         | —T—T—T—T— |
| OVERHEAD TELEPHONE           | —O—O—O—O—             | —P—P—P—P— |
| UNDERGROUND TELEPHONE        | —U—U—U—U—             | —G—G—G—G— |
| UNDERGROUND POWER            | —P—P—P—P—             | —W—W—W—W— |
| GAS                          | —G—G—G—G—             | —M—M—M—M— |
| WATER                        | —W—W—W—W—             | —F—F—F—F— |
| MANHOLE                      | —M—M—M—M—             | —V—V—V—V— |
| FIRE HYDRANT                 | —FH—FH—FH—FH—         | —B—B—B—B— |
| WATER VALVE                  | —WV—WV—WV—WV—         |           |
| WATER METER                  | —WM—WM—WM—WM—         |           |
| DITCH INLET                  | —DI—DI—DI—DI—         |           |
| DITCH BLOCK                  | —DB—DB—DB—DB—         |           |
| GROUND MOUNTED SIGN          | —GMS—GMS—GMS—GMS—     |           |
| LIGHT POLE                   | —LP—LP—LP—LP—         |           |
| H-FRAME POWER POLE           | —HFPP—HFPP—HFPP—HFPP— |           |
| TELEPHONE PEDESTAL           | —TP—TP—TP—TP—         |           |
| FENCE                        | —F—F—F—F—             |           |
| CHAIN LINK                   | —CL—CL—CL—CL—         |           |
| ROVEN WIRE                   | —RW—RW—RW—RW—         |           |
| WIRE POST                    | —WP—WP—WP—WP—         |           |
| BENCHMARK                    | —BM—BM—BM—BM—         |           |

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



### INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (1 SHEET)	3
TRAFFIC CONTROL SHEETS (TC)	4-5

### LENGTH OF PROJECT

BEGINNING OF PROJECT	LOG MILE 9.84
END OF PROJECT	LOG MILE 10.08
APPARENT LENGTH	1287.2 FEET
EQUATIONS AND EXCEPTIONS:	

TOTAL CORRECTIONS	1287.2 FEET
NET LENGTH OF PROJECT	1287.2 FEET
STATE LENGTH	0.24 MILES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MD0T (1-888-275-6636)

STATE OF MISSOURI  
DIVISION OF HIGHWAYS  
PROJECT NO. \_\_\_\_\_  
JOB NO. JACKSON  
CONTRACT ID. J4M3021  
DATE \_\_\_\_\_  
DESCRIPTION \_\_\_\_\_

7/8/2016  
MO  
MO  
70  
KC  
DISTRICT

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.







MISSOURI DEPARTMENT OF TRANSPORTATION  
 105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MDOT (1-888-275-6335)

SALE OF HIGHWAYS  
 WORK C. NUMBER  
 7/8/2012  
 THE BIDDING WILL BE ELECTRONICALLY SEALED AND DATED.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PROJECT NO.  
 CONTRACT ID.  
 BRIDGE NO.

DATE  
 DESCRIPTION

EFFECTIVE: 08-01-2012

ITEM NUMBER

DESCRIPTION

TOTAL QTY

RELOC

AREA

DESCRIPTION

2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD

RIGHT/CENTER/LEFT LANE CLOSED

FLAGGER (SYMBOL)

2

32

16.00

2

SHOULDER WORK AHEAD

BLASTING ZONE AHEAD

TURN OFF 2-WAY RADIO AND PHONE

NET PAINT (LAMPY PIVOTS)

2

16.00

2

IMPACT ATTENUATOR (18 SAND BARRELS)

IMPACT ATTENUATOR (19 SAND BARRELS)

IMPACT ATTENUATOR (10 SAND BARRELS)

IMPACT ATTENUATOR (17 SAND BARRELS)

1

16.00

1

IMPACT ATTENUATOR (12 SAND BARRELS)

IMPACT ATTENUATOR (14 SAND BARRELS)

REPLACE/ATTACH SAND BARRELS

TRUCK MOUNTED ATTENUATOR (MCA)

2

16.00

2

SPEED LIMIT 4. STRIKE LIGHT ASSEMBLY

ADVANCED WARNING RAIL SYSTEM

CHANNELIZER (DIP-UP-LIKE)

CHANNELIZER (CONES)

100

16.00

100

CHANNELIZER (VERTICAL PANEL) WITH LIGHT

TYPE III MOVEABLE BARRICADE WITH LIGHT

DIRECTION INDICATOR BARRICADE WITH LIGHT

FLASHING ARROW PANEL

1

16.00

1

TYPE III OBJECT MARKER

FLASHING LIGHT - TYPE A

FLASHING LIGHT - TYPE B

FLASHING LIGHT - TYPE C

1

16.00

1

FLASHING LIGHT - TYPE A

FLASHING LIGHT - TYPE B

FLASHING LIGHT - TYPE C

FLASHING LIGHT - TYPE D

1

16.00

1

FLASHING LIGHT - TYPE A

FLASHING LIGHT - TYPE B

FLASHING LIGHT - TYPE C

FLASHING LIGHT - TYPE D

1

16.00

1

FLASHING LIGHT - TYPE A

FLASHING LIGHT - TYPE B

FLASHING LIGHT - TYPE C

FLASHING LIGHT - TYPE D

1

16.00

1

FLASHING LIGHT - TYPE A

FLASHING LIGHT - TYPE B

FLASHING LIGHT - TYPE C

FLASHING LIGHT - TYPE D

1

16.00

1

FLASHING LIGHT - TYPE A

FLASHING LIGHT - TYPE B

FLASHING LIGHT - TYPE C

FLASHING LIGHT - TYPE D

1

16.00

1

FLASHING LIGHT - TYPE A

FLASHING LIGHT - TYPE B

FLASHING LIGHT - TYPE C

FLASHING LIGHT - TYPE D

1

16.00

1

SUMMARY SHEET  
 SHEET 2 OF 2

REGULATORY SIGNS

STOP

YIELD

ROAD AHEAD AHEAD

STOP

YIELD

ROAD AHEAD AHEAD

STOP

YIELD

ROAD AHEAD AHEAD

STOP

YIELD

ROAD AHEAD AHEAD

STOP

YIELD

ROAD AHEAD AHEAD

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YIELD

ROAD AHEAD AHEAD

ROAD AHEAD AHEAD

ROAD AHEAD AHEAD

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 105 WEST CAPITOL JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6396)

DATE: \_\_\_\_\_  
 DESCRIPTION: \_\_\_\_\_

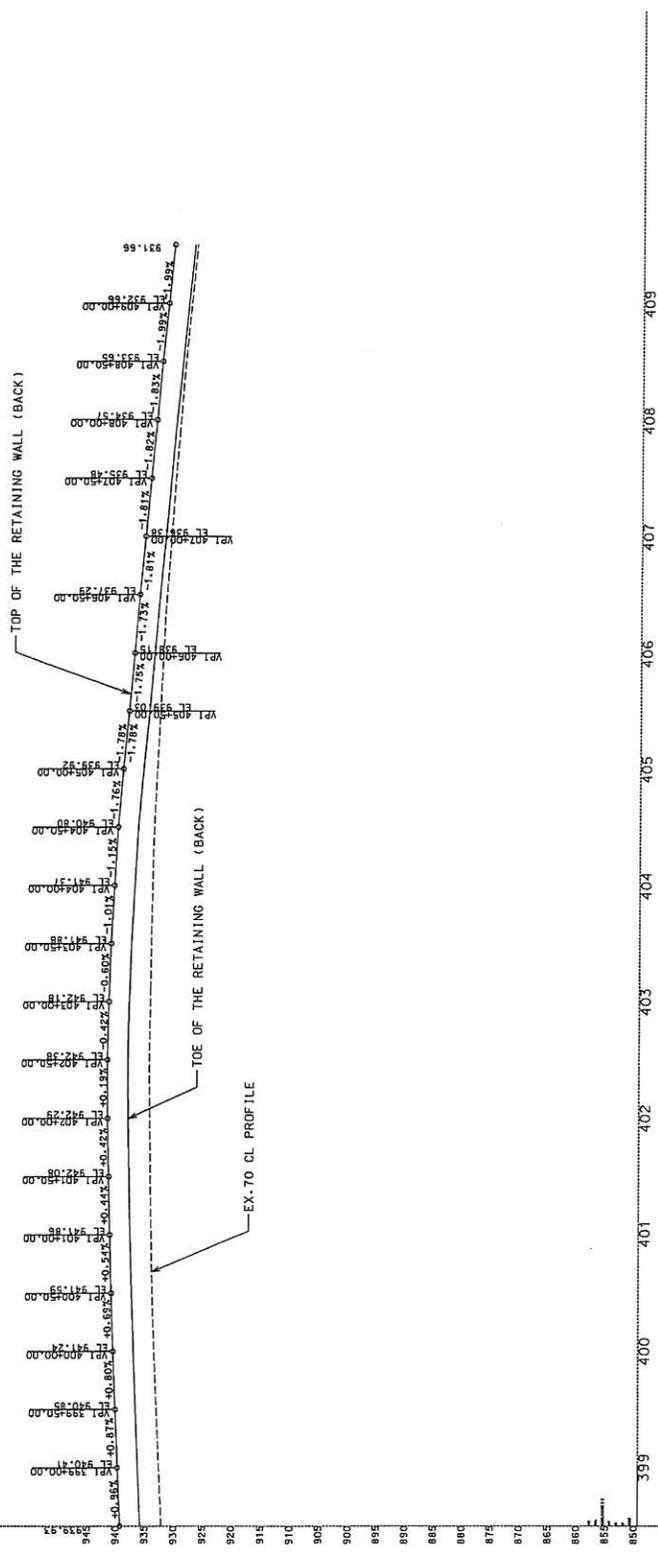
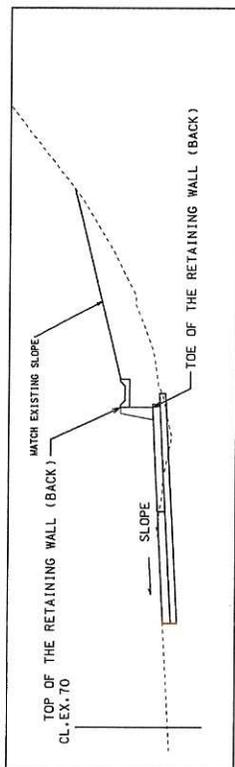
PROJECT NO.: \_\_\_\_\_  
 BRIDGE NO.: \_\_\_\_\_

JACKSON  
 JOB NO.: J4M3021  
 CONTRACT ID: \_\_\_\_\_

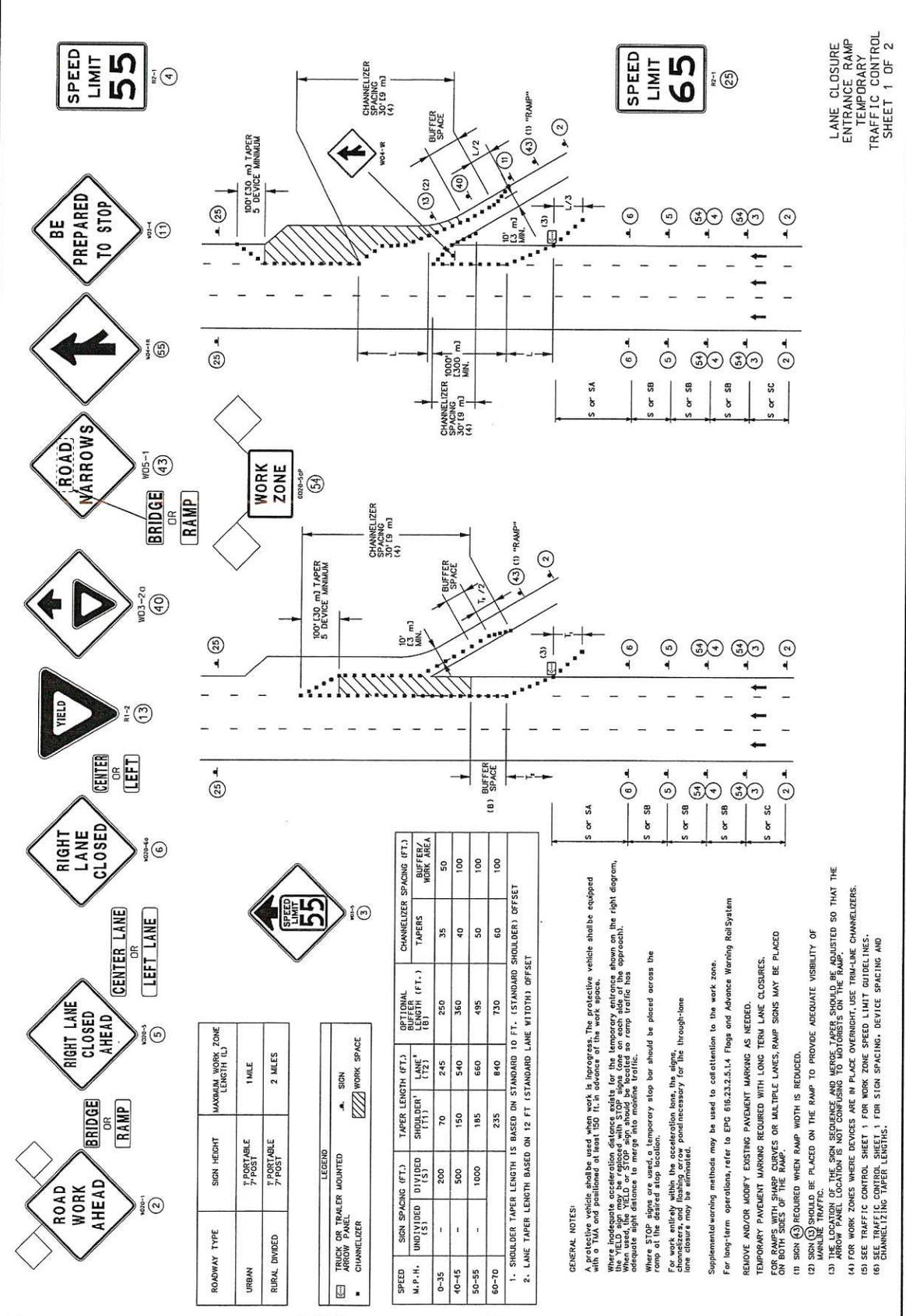
DATE: 7/27/2010  
 TIME: 7:00 AM  
 SHEET NO.: 4  
 TOTAL SHEETS: 70

SAFETY INFORMATION  
 THIS SHEET WAS DESIGNED AND DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 IN CHARGE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



RETAINING WALL AT I-70



ROAD WORK AHEAD (2)  
 RIGHT LANE CLOSED AHEAD (5)  
 CENTER LANE OR LEFT LANE (6)  
 RIGHT LANE CLOSED (6)  
 YIELD (13)  
 ROAD NARROWS (43)  
 BE PREPARED TO STOP (11)  
 SPEED LIMIT 55 (4)  
 SPEED LIMIT 65 (25)

TRUCK OR TRAILER MOUNTED ARROW PANEL (3)  
 CHANNELIZER (4)  
 TAPER (5)  
 BUFFER SPACE (6)  
 WORK ZONE (7)  
 RAMP (8)  
 CHANNELIZER (9)  
 BUFFER SPACE (10)  
 TAPER (11)  
 BUFFER SPACE (12)  
 RAMP (13)  
 CHANNELIZER (14)  
 BUFFER SPACE (15)  
 TAPER (16)  
 BUFFER SPACE (17)  
 RAMP (18)  
 CHANNELIZER (19)  
 BUFFER SPACE (20)  
 TAPER (21)  
 BUFFER SPACE (22)  
 RAMP (23)  
 CHANNELIZER (24)  
 BUFFER SPACE (25)

ROADWAY TYPE	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	7-POSTABLE	1 MILE
RURAL DIVIDED	7-POSTABLE	2 MILES

SPEED (M.P.H.)	UNDIVIDED (L)	DIVIDED (L)	SHOULDER (L)	TAPER LENGTH (FT.)	SHOULDER TAPER LENGTH (L)	OPTIMAL BUFFER LENGTH (L)	CHANNELIZER SPACING (FT.)	BUFFER/WORK AREA
0-35	-	200	70	245	250	35	35	50
40-45	-	500	150	540	360	40	100	100
50-55	-	1000	185	660	495	50	100	100
60-70	-	235	235	840	730	60	100	100

1. SHOULDER TAPER LENGTH IS BASED ON STANDARD TO FT. (STANDARD SHOULDER OFFSET)  
 2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET

GENERAL NOTES:  
 A. Protective vehicle shall be used when work is in progress. The protective vehicle shall be equipped with a TMA and positioned at least 150 ft. in advance of the work zone.  
 Where adequate acceleration distance exists for the temporary entrance shown on the right diagram, the YIELD sign may be replaced with STOP signs (one on each side of the approach).  
 Where adequate acceleration distance is not available, the STOP sign should be replaced with a ramp traffic sign.  
 Where STOP signs are used, a temporary stop bar should be placed across the ramp at the desired stop location.  
 For work entirely within the acceleration lane, the signs, channelizers, and flashing arrow panel necessary for the through-lane lane closure may be minimized.  
 Supplemental warning methods may be used to call attention to the work zone.  
 For long-term operations, refer to EPC 616.23.2.3.1.4 Flugs and Advance Warning Roll System.  
 REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.  
 TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.  
 FOR RAMP WITH SHARP CURVES OR MULTIPLE LANES, RAMP SIGNS MAY BE PLACED ON BOTH SIDES OF THE RAMP.  
 (1) SIGN (4) REQUIRED WHEN RAMP WIDTH IS REDUCED.  
 (2) SIGN (13) SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.  
 (3) THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORISTS ON THE RAMP.  
 (4) FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVERNIGHT, USE TRIM-LINE CHANNELIZERS.  
 (5) SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.  
 (6) SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

LANE CLOSURE  
 ENTRANCE RAMP  
 TEMPORARY  
 TRAFFIC CONTROL  
 SHEET 1 OF 2











DATE PREPARED  
11/11/2009

STATE  
MO

PROJECT NO.  
4

CONTRACT NO.  
25

JACKSON

JOB NO.  
J411597

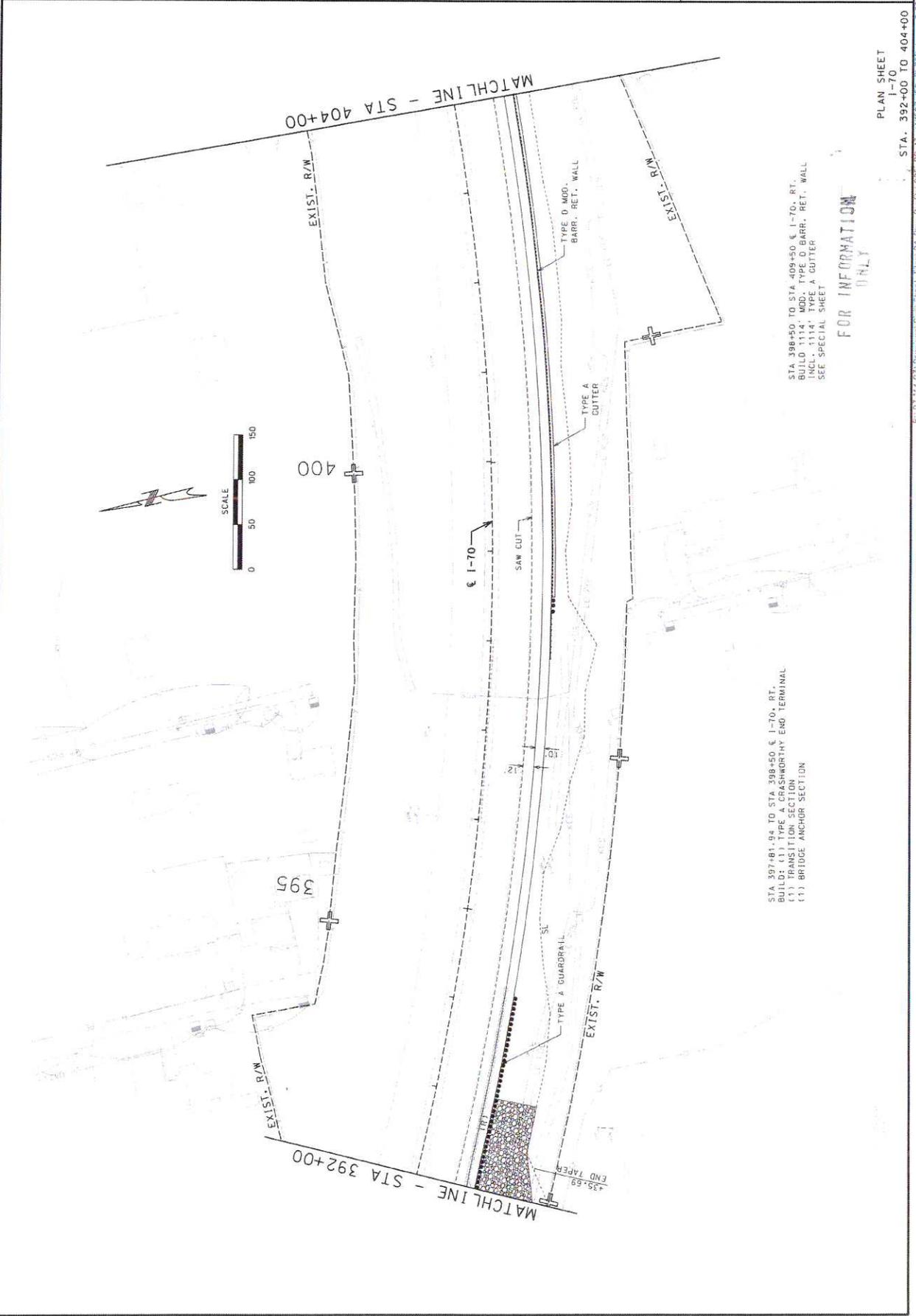
CONTRACT TB.  
PROJECT NO.  
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-654-MODOT (1-888-275-6636)

DRB  
GOODWILL &  
ENGINEERS, P.A.  
100 EAST BROADWAY, SUITE 210  
JEFFERSON CITY, MO 65102  
FAX 816/471-4813  
CENTIFICATE OF AUTHORITY NUMBER W0013263



STA 397+81.94 TO STA 398+50 & I-70, RT.  
BUILD: (1) TYPE A CRASHWORTHY END TERMINAL  
(1) TRANSITION SECTION  
(1) BRIDGE ANCHOR SECTION

STA 398+50 TO STA 408+50 & I-70, RT.  
BUILD: (1) TYPE A CRASHWORTHY END TERMINAL  
(1) TRANSITION SECTION  
(1) BRIDGE ANCHOR SECTION  
SEE SPECIAL SHEET

FOR INFORMATION ONLY

PLAN SHEET  
I-70  
STA. 392+00 TO 404+00



DATE PREPARED  
10/30/2009

STATE  
MO

PROJECT NO.  
4

COUNTY  
JACKSON

JOB NO.  
J411597

CONTRACT NO.

PROJECT NO.

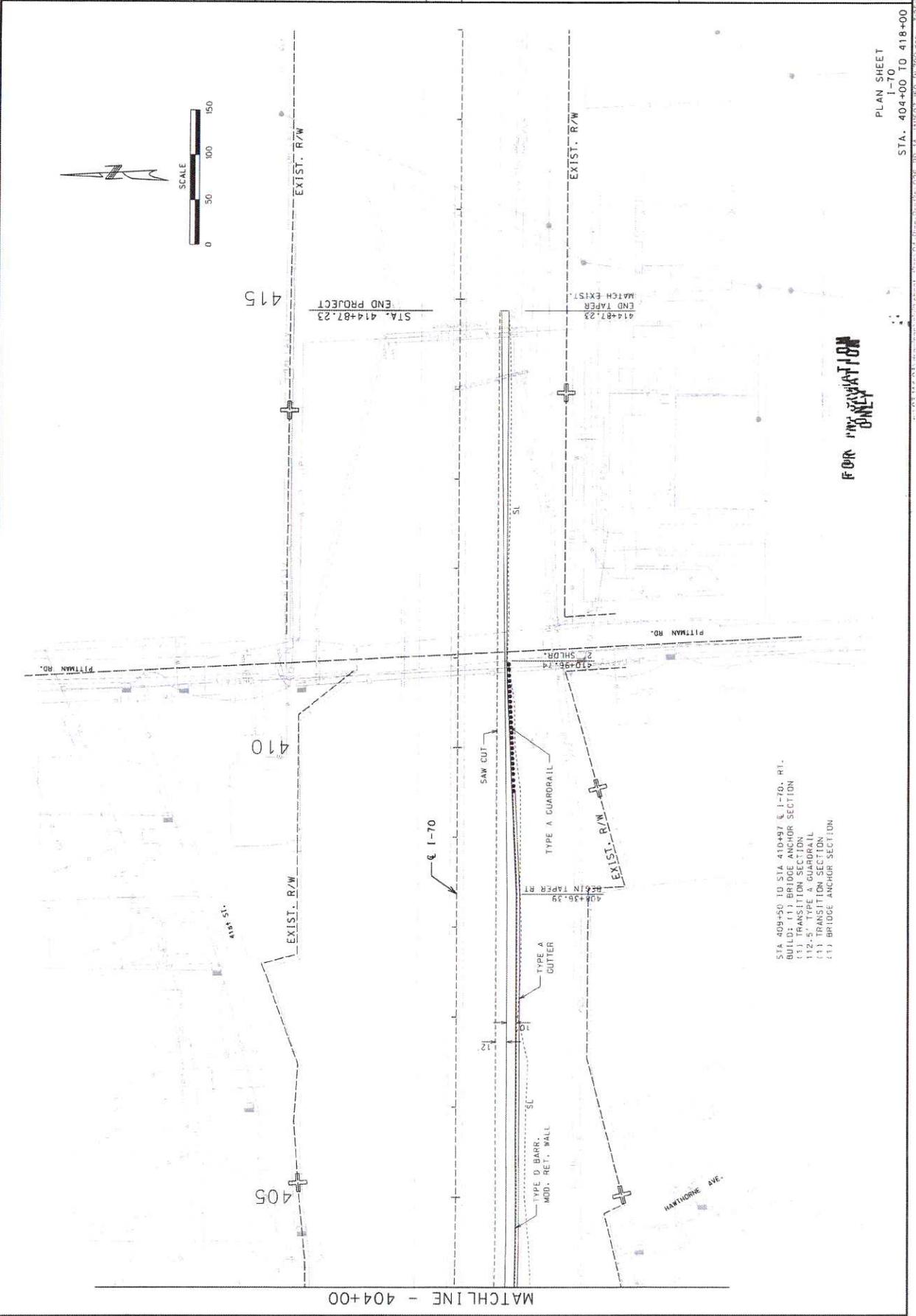
BRIDGE NO.

DATE	DESCRIPTION



DELICH  
ROTH &  
ENGINEERS  
GOODWILL  
JEROME, P.A.

CERTIFICATE OF AUTHORITY NUMBER W0017265  
816/221-0222 FAX 616/471-4813  
KANSAS CITY, MO 64131-3367  
1001 EAST 1851 TERRACE, SUITE 210



STA. 409+50 TO STA. 410+97 & I-70, RT.  
 (1) BRIDGE ANCHOR SECTION  
 (1) TRANSITION SECTION  
 (1) TYPE A GUARORAIL  
 (1) TRANSITION SECTION  
 (1) BRIDGE ANCHOR SECTION

FOR INFORMATION ONLY

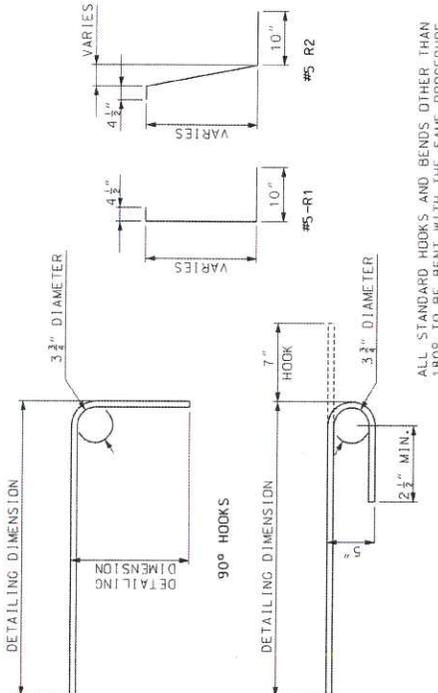
PLAN SHEET  
I-70  
STA. 404+00 TO 418+00

STATE OF MISSOURI  
 PROFESSIONAL ENGINEER  
 LICENSE NO. 14307  
 DATE PREPARED  
 10/30/2009  
 SHEET NO.  
 4  
 PROJECT NO.  
 J411597  
 CONTRACT TO  
 JACKSON  
 COUNTY, MO  
 1-435

DATE  
 DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
 105 WEST CAPITOL  
 JEFFERSON CITY, MO 65101  
 1-888-ASK-MODOT (1-888-275-6263)

DR  
 ROTH  
 ENGINEERS  
 1111 S. W. 11th St.  
 Suite 210  
 Oklahoma City, OK 73101  
 Phone: (405) 511-1567  
 Fax: (405) 511-4813  
 CENTRAL TIME ZONE  
 PROJECT NUMBER: W0012365



ALL STANDARD HOOKS AND BENDS OTHER THAN 180° TO BE BENT WITH THE SAME PROCEDURE AS FOR 90° STANDARD HOOKS.

GENERAL NOTES:

MODIFIED TYPE D BARRIER RETAINING WALL SHALL BE USED ONLY AT LOCATIONS SHOWN ON PLANS.

CONCRETE SHALL BE CLASS B1 F'c = 4000 psi.

ALL REINFORCEMENT SHALL BE GRADE 60 EPOXY COATED.

BAR SPLICES SHALL BE A MINIMUM OF 2'-0"

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 2" CL., UNLESS OTHERWISE SHOWN.

THE CONTRACTOR HAS THE OPTION TO SLIP-FORM THE BARRIER. IN WHICH CASE, ADDITIONAL REINFORCEMENT MAY BE TIED TO THE UPPER TWO-THIRDS OF THE REINFORCING CAGE TO PROVIDE BRACING.

EXPANSION JOINTS SHALL BE PROVIDED IN THE BARRIER TO MATCH THE EXPANSION JOINTS IN THE PAVEMENT.

SAWED JOINTS SHALL BE PROVIDED IN THE BARRIER TO MATCH THE TRANSVERSE JOINTS IN THE PAVEMENT. SEE STD. 617.10 FOR SAWED JOINT DETAILS.

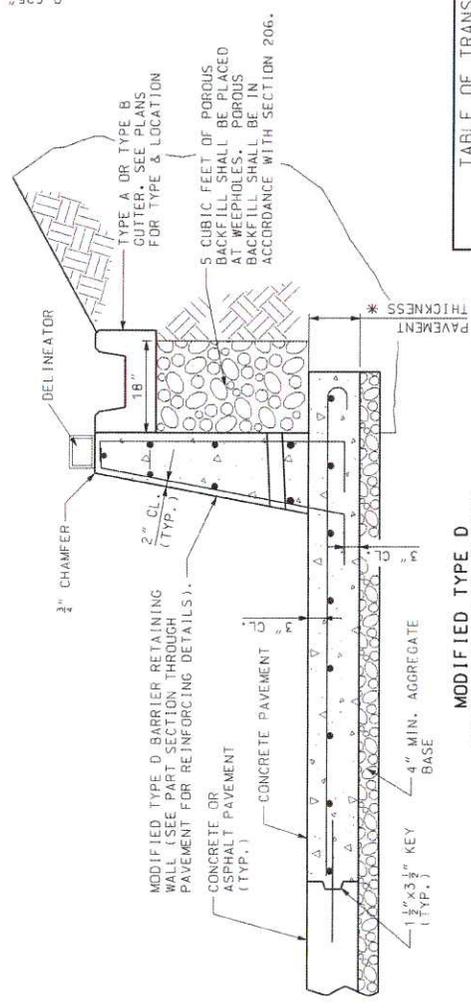
FOR DELINEATOR DETAILS, SEE STD. 617.10 SHEET NO. 1.

FOR DOWEL BAR DETAILS AND SPACING, SEE STD. 502.05 SHEET NO. 1.

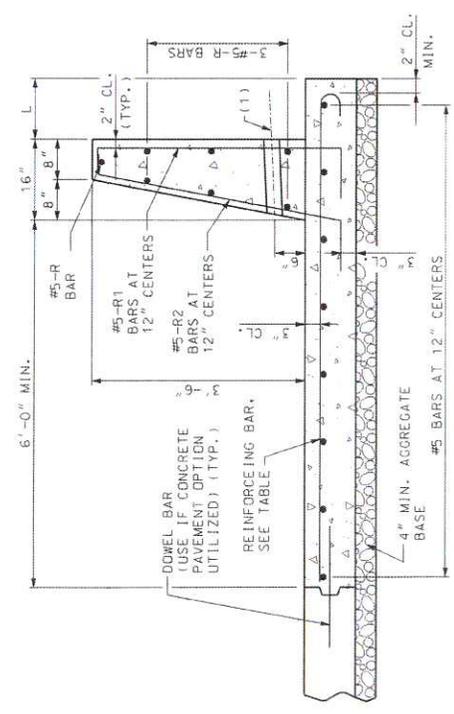
TABLE OF TRANSVERSE PAVEMENT REINFORCEMENT	
PAVEMENT THICKNESS *	REINFORCING BAR SIZE AND SPACING
8"	#5 AT 6"
8 1/2"	#5 AT 6"
9"	#5 AT 6"
10"	#5 AT 7"

\* SEE TYPICAL SECTIONS (USE ALT. B PAVEMENT THICKNESS) MINIMUM PAVEMENT THICKNESS SHALL BE 8".

(1) 3/8" DIAMETER WEEPHOLE AT 8'-0" SPACING. (SLOPE WEEPHOLE 1/2" PER FOOT TO DRAIN.)



MODIFIED TYPE D BARRIER RETAINING WALL



PART SECTION THROUGH PAVEMENT (GUTTER, POROUS BACKFILL, AND RETAINED MATERIAL NOT SHOWN FOR CLARITY)

FOR USE ONLY

SPECIAL SHEET  
 MODIFIED TYPE D  
 BARRIER RETAINING WALL  
 SHEET 1 OF 1